

1 **ABSTRACT OF THE DISCLOSURE**

2 An electrophoretic display (EPD) has two opposite substrates with
3 electrodes, multiple colored charged particles in the fluid, reflective areas and
4 transmissive areas defined on one of the two substrates or respectively on the
5 two substrates. When a positive or negative electric potential is applied to the
6 electrodes on the opposite substrates, the colored charged particles are collected
7 to the reflective areas or the transmissive areas. Therefore, front light radiated
8 to the first substrate can be controlled to reflect by the reflective areas and
9 backlight radiated to the second substrate can be controlled to pass through the
10 two opposite substrates. Thus, the EPD in accordance with the present
11 invention can be operated in the reflective or direct-viewing display mode or
12 both of the reflective and direct-viewing display mode.